

ABSTRACT

**GENERATION OF SPECIFIC ADHESION IN GRAM-NEGATIVE BACTERIA BY
MEANS OF ANCHORING IMMUNOGLOBULIN SINGLE DOMAINS ON THEIR
SURFACE WITH AUTOTRANSPORTERS**

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The present invention refers to an expression vector for gram-negative bacteria allowing for the production of hybrid proteins between single domain recombinant antibodies and a transporter domain of an autotransporter, as well as to its anchoring and expression on the external surface of a bacterial membrane, and to a method of specific bacterial adhesion to a surface containing a specific antigen.